

ABSTRACT

Servo demodulation systems including multiple servo demodulators are provided. A first servo demodulator is adapted to search for a servo address mark (SAM) pattern using a first set of servo demodulation detection parameters. A second servo demodulator is adapted to search for the SAM pattern using a second set of servo demodulation parameters, wherein at least one servo demodulation parameter in the second set is different than a corresponding parameter in the first set. Example servo demodulation parameters include staring automatic gain control (AGC) values and starting phase lock loop (PLL) values.